Title (en)
ON-BOARD POWER SUPPLY NETWORK OF AN ELECTRICALLY PROPELLED AIRCRAFT

Title (de)
BORDEIGENES STROMVERSORGUNGSNETZ EINES ELEKTRISCH ANGETRIEBENEN FLUGZEUGS

Title (fr)
RÉSEAU D'ALIMENTATION ÉLECTRIQUE EMBARQUÉ D'UN AÉRONEF À PROPULSION ÉLECTRIQUE

Publication
EP 3863927 B1 20230215 (FR)

Application
EP 19801960 A 20191004

Priority
• FR 2019052360 W 20191004
• FR 1859351 A 20181009

Abstract (en)
[origin: WO2020074812A1] The present invention concerns a system for supplying power to at least one electrical load of an aircraft, this system comprising a main power source (16) connected to at least one electrical load (12) via an electrical network (14), the system comprising a control device (18) connected to the main power source and configured to deliver a variable voltage level to the electrical network according to a predetermined voltage variation law depending on at least one parameter characterising the altitude of the aircraft and according to Paschen's law with a predefined margin.

IPC 8 full level
B64D 27/24 (2006.01); B64D 27/02 (2006.01); B64D 41/00 (2006.01); H02J 1/08 (2006.01)

CPC (source: EP US)
B64D 27/026 (2024.01 - EP); B64D 27/24 (2013.01 - EP US); B64D 41/00 (2013.01 - EP US); H02J 1/08 (2013.01 - EP);
H02J 4/00 (2013.01 - US); B64D 27/026 (2024.01 - US); B64D 2041/002 (2013.01 - US); B64D 2221/00 (2013.01 - EP US);
H02J 2310/44 (2020.01 - EP US); Y02T 50/60 (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
FR 3086926 A1 20200410; FR 3086926 B1 20220401; CN 112823122 A 20210518; CN 112823122 B 20220607; EP 3863927 A1 20210818;
EP 3863927 B1 20230215; US 11338928 B2 20220524; US 2021347492 A1 20211111; WO 2020074812 A1 20200416

DOCDB simple family (application)
FR 1859351 A 20181009; CN 201980066490 A 20191004; EP 19801960 A 20191004; FR 2019052360 W 20191004;
US 201917283868 A 20191004